ALGORITHM - REV. D

SELECTING YOUR CARRIER ROOM AIR CONDITIONER

NOTE: IF THIS UNIT IS INTENDED FOR A SUN ROOM OR COMMERCIAL APPLICATION, PLEASE CONTACT YOUR LOCAL CARRIER DEALER

A. Length of room i	-		Drop Down 8 through 45	
B. Width of room in	ı feet		Drop Down 8 through 60	
CALCULATE:	A x B = Sq. Ft. If Sq. Ft. <1700, then GOTO on this website. Please conta selection."	BTU Table # 1; Elect your local Carrie	se "Your requirementer dealer for further as	t cannot be satisfied ssistance with unit
LOOK-UP:	BTU Table # 1 and select BTU BTU Size = BTU #1		. Ft.	
C. How many squa	re feet of glass facing outdoors a	re in the room? (Ra	Drop Down nge 10-100)	
	x width in ft. = sq. ft lows, skylights, and glass doors)			
CALCULATE:	BTU # $2 = BTU # 1 + (C \times 6)$ NOTE: Round down for all fr			
D. Is room normall	v in sun or shade?	Sun	Shade	
CALCULATE:	If "Sun," then BTU # 3 = BT If "Shade," then BTU # 3 = E	U#2x1.1		
note: If only one e	xternal wall is in the sun, enter	"Shade."		
E. What type of sp	ace is above the room?	Roof Only	Attic Occupie	d Room
CALCULATE:	If roof only, then BTU #4 = I If attic, then BTU #4= BTU: If occupied room, then BTU	#3 x .85		
F. Is room above o	cooled space (i.e. basement, anot	her air-conditioned	room)? Yes	No
CALCULATE:	If Yes, then BTU #5 = BTU If No, then BTU #5 = BTU #			,

G. Will unit be opera	ted during the night only?		Yes No
CALCULATE:	If Yes, then BTU # 6 = BTU # 5 : If No, then BTU #6 = BTU #5	x .65	
H. Enter zip code wh (note: zip codes are a Climate Factor	nere unit will be installed	mate conditions in your	area of the country)
CALCULATE:	BTU # 7 = BTU # 6 x climate fa	ctor	
	A and select map factor based on a says Climate Factor.	corresponding zip code.	Map factor should appear in the
	who normally occupy room	Drop Down Range 2-8	
EALCULATE:	$BTU # 8 = [(I - 2) \times 600] + BTU$	#7	
Is the room a kitcleCALCULATE:	nen? If "Yes," then BTU # 9 = BTU # Else, If "No," then BTU # 9 = BTU #		
K. Will the unit be i	nstalled in a window or through-th	e-wall? Window	Wall
L. Do you require a	unit, which cools and heats?	Yes	No
f#	IS SUPPLEMENTAL HEAT. UNIT S	ELECTION WILL BE BA	SED ON YOUR COOLING
COMPARE:	If BTU # 9 is < 9001 and "L" =	"Yes," then provide a to	est window as follows:
"At this time, Carrie able to satisfy your of	r does not offer a combination hea cooling requirements. Would you	like to eliminate your re	ur requirements, though we are quest for supplemental heat?"
	If "Yes," GOTO the Picture/Spe Else, If "No," provide a text window	ec File.	
cooling/heating need	d on the information you have prods. For further assistance, please c requirements. Thank you."	vided, Carrier cannot ac ontact your local Carrie	commodate your combination r dealer to review your air
LOOK-UP:	If "K" = "Window" and "L" = " If "K" = "Window" and "L" = " If "K" = "Wall" and "L" = "Yes If "K" = "Wall" and "L" = "No	'No," then GOTO Table s," then GOTO Table #	# 2 4

NOTE TO PROGRAMMERS:

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IF "K" = "Window" and "L" = "Yes,"
And
IF models selected begin with XH or XQ,
THEN
The Picture/Spec screen has to include the following:
```

"Your installation requires the purchase of a window installation kit.

Part Number 73XH900001 Price \$39.00

OR,

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IF "K" = "Window" and "L" = "Yes,"
        And
        IF models selected begin with YH,
THEN,
\<u>_</u>
        The Picture/Spec screen has to include the following:
"Your installation requires the purchase of a window installation kit.
Part Number 73 YH900001
                                                          Price $39.00
Lī
OR
        IF "K" = "Window" and "L" = "Yes,"
TU
        IF models selected begin with YH, and/or XH and/or XQ
         The Picture/Spec screen has to include the following:
```

"The YH model(s) requires the purchase of the following window installation kit: Part Number 73YH900001 Price \$39.00

The XH and XQ models require the purchase of the following window installation kit: Part Number 73XH900001 Price \$39.00

SELECT APPROPRIATE UNITS BASED ON BTU # 9 AND TABLE 2, 3, OR 4 GOTO PICTURE/SPEC FILE.

TABLE # 1:

•	
Sq. Ft.	BTU
100	5000
150	5000
	6000
151	
300	6000
301	8000
350	8000
351	8600
450	8600
451	10000
	10000
500	
501	12000
700	12000
701	14000
800	14000
801	15000
900	15000
901	18000
1300	18000
1301	21000
1450	21000
(] 1451	24000
	24000
3	24000

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Table A

		u .
_	ZIP	Map
C	ode F	
	1000	8.0 8.0
	1000	0.8 0.8
	1999 2000	0.8 0.8
	2999	0.8
	3000	0.8
	3199	0.8
	3200	0.7
	3999	0.7
	4000	0.7 0.7
	4999	
	5000	8.0
	5299	0.8
	5300 5999	0.7 0.7
	6000	0.7
	6999	0.8
	7000	0.9
	8999	0.9
	0000	0.9
:1	1999	0.9
	2000	0.7
.[]	2999	0.7 0.8
== ,	13000 14999	0.8
}≛.	15000	0.8
=-=	15999	0.8
	16000	0.9
	17999	0.9
	18000	8.0
	18999 19000	0.8 0.9
: ==	19999	0.9
	20000	1
	20099	1
	20100	0.9
	20999	0.9
	21000	0.75
	21999	0.75
	22000 24999	
	25000	
	26999	
	27000	
	28399	1
	28400	
	28999	
	29000	•
	29999	
	30000 31999	
	32000	
	32999	
	33000	
	34998	

		ř	•					
	35000	1						
	36999 37 0 00	. 1 · 1	,					
4	37999	1	•			•		
	38000	1.1	u					
	38999	1.1						
	39000	1.05						
	39999	1.05						
	40000	0.95						
	42999 43000	0.95 0.9						
	45999	0.9						
	46000	0.9						
	46999	0.9	•	•				
	47000	1						
	47999	1						
	48000 48999	0.9 0.9						
	49999	0.75						
	49999	0.75				•		
	50000	1						
	51999	1						
	52000	0.9						
	52999	0.9						
	===53000 ==53000	0.9 0.9						
	53999 54000	0.75						
	54999	0.75						
	55000	0.9						
	56999	0.9						
	57000	1.05						
	57999 58000	1.05 0.95						
	÷≟ 58999	0.95		•				
	59000	1						
	£≈ 50100	1						
	ra 59200	0.9						
	್ಷಷ್ಟ ವಶವಶಶ	0.9						
	59600 59999	8.0 8.0						
	60000	0.9						
	61999	0.9						
	62000	1						
	62999	1						
	63000 65999	1						
	66000	i						
	66999	1						
	67000	1.2						
	67999	1.2						-
	68000	1.1						
	69999 70000	1.1						
	70999							
	71000							
	71999	1.1						
	72000	1.2						
	72999	1.2					•	
	73000 74999							
	। १५४४४	1.2						

		i	,					
	75000	1.2						
	79999	1,2						
		1,2	•					
	80000	' 1						
9	81999	1						
	82000	0.9	4 1	•	•			
	02000	0.9						
	82999	0.5						
	83000	· 1						
•	83999	1						
	84000	1.						
	84999	. 1						
	85000	1.4			•	•		
	85499	1.4						
	85500	0.9						
		0.9		•				
	86199	0.9						
	86200	1.25						
	86999	1.25						
	87000	1						
	87999	1						
	88000	1.1						
	88999	1.1						
		1.1						
	89000	1.25						
	89299	1.25						
	89300	0.85						
	[389499	0.85						
	[<u></u>							
•	89500	1						
	89500 89899	1						
	89900 89999	0.85						
	80000	0.85						
	== 00000	0.00						
	90000	8.0						
	· 90999	8.0						
	↓ 91000	1.1						
	(191999	1.1						
	00000	0.8						
		0.0						
	92199	8.0						
	92200	1.4						
		1.4						
	E 02400	1.25						
	93099	1.25						
	93099 93100							
	93100	8.0						
	₽ 93199	8.0						
	93200	1.25						
	93999	1.25						
	94000	0.8						
	94999	8.0						
	95000	1.15						
	95999	1.15						
	96000	1.1						
		4.4						
	96699	1.1						
	96700	1						
	96999	1						
	97000	0.85						
	97999	0.85						
		0 .03						
	98000	0.7						
	98599	0.7						
	98600	0.85						
	98799	0.85						
	98800	1						
	99499	1						
	99500	0.7				•		
	99999	0.7						
	5555	J.,						



Select
UCA051B
TCB051B
TCA051B
LCA061P
UCB061B
TCA061D
PCA061D
UCD081B
TCA081D
TCA081P
53SSB009-1
TCA101D
GCA101B
53SSB009-1
TCA121D
GCA121B
GCA123B
XCB121E
XCB121R
462AJC012BA
DCA131G
DCA141D
DCA141D
DCA153D
462AJC015BA
+02A3C013DA
XCB183D
XCB183E
462AJC018BA
+02/GC010BA
DCA213D
YCA213R
462AJC021BA
YCB213E
100000
JCA243D
1

TABLE # 3: Through Wall Units

If BTU # 9 is	Select
3000 to 5200	UCA051B
5201 to 7000	UCB061B
7001 to 9000	UCD081B
9001 to 11000	GCA101B
	CCA 121B
11001 to 13000	GCA121B GCA123B
	XCB121E
· · · - <u>- · · · · · · · · · · · · · · ·</u>	XCB121R
····	462AJC012BA
	DCA131G
13001 to 14000	DCA141D
14001 to 16500	DCA153D
=	462AJC015BA
= 10000	
₫6501 to 19000	XCB183D XCB183E
<u> </u>	462AJC018BA
19001 to 22000	DCA213D
17001 to 22000	YCA213R
	462AJC021BA
ā	YCB213E
22001 to 25000	JCA243D
1""b 6""l	

Table # 4: Heating Units

	•
If BTU # 9 is	Select
3000 to 5200	N/A
5201 to 7000	N/A
7001 to 9000	N/A
9001 to 11000	XHC101D
	XQB101D
11001 to 13000	XHA123D
11001 to 15005	XQA123D
	1.0.1.2.2
13001 to 14000	XHA123D
13001 to 14000	XQA123D
	AQUILLOS
14001 to 16500	XHB153D
14001 to 10300	XQB153D
	AQBISSE
16501 to 19000	XHB183D
	XQB183D
	71022
19001 to 22000	YHB243D
=17001 to 22000	THEZE
22001 to 25000	YHB243D
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